

WHAT IS CLAIMED IS:

1. A method of inactivating a viral or microbial agent present in a biological source material, comprising the step of
5 contacting the biological source material with a solution comprising an effective amount of an active ingredient, wherein the active ingredient is an amphipathic charged amine or an amphipathic charged amine oxide.

2. A method of inactivating a viral or microbial agent in
10 a biological source material comprising the step of contacting the biological source material with a solution comprising an effective amount of an active ingredient, wherein the active ingredient is selected from the group consisting of:
dimethyldecylamine, dimethyltridecylamine, dimethylundecylamine,
15 dimethyldidecylamine, dimethyltetradecylamine, dimethylhexadecylamine, dimethyldecylamineoxide, dimethylundecylamineoxide, dimethyldidecylamineoxide, dimethyltetradecylamineoxide and dimethyltridecylamineoxide.

3. The method of claim 3, wherein the solution further
20 comprises glycerol.

4. The method of claim 4, wherein the active ingredient comprises between 0.001 to 10 percent of the solution.

5. The method of claim 4, wherein the glycerol comprises between 0.6 to 6 percent of the solution.

25 6. The method of claim 5, wherein the glycerol comprises between 0.6 to 6 percent of the solution.

7. The method of claim 2, wherein the active ingredient is dimethyltetradecylamine.

8. The method of claim 1; wherein the agent is a member of the group consisting of:

5 bacteria, yeast, fungi, mycoplasma, mammalian cells, other animal cells, viruses, or lipid enveloped viruses such as, Flaviviridae, Retroviridae, Togaviridae, Rhabdoviridae, Herpesviridae, VSV, SFV, HIV, MuLV, BVDV, and CMV.

10 9. The method of claim 2, wherein the agent is a member of the group consisting of:

bacteria, yeast, fungi, mycoplasma, mammalian cells, other animal cells, viruses, or lipid enveloped viruses such as, Flaviviridae, Retroviridae, Togaviridae, Rhabdoviridae,
15 Herpesviridae, VSV, SFV, HIV, MuLV, BVDV, and CMV.